



Healthy Kansans living in safe and sustainable environments.

Infectious Disease Regulations: Planned Changes To Come

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Purpose of Public Health Surveillance

- Ubiquity of reportable conditions systems
- Why?
 - Detect outbreaks and intervene
 - Monitor trends
 - Emerging diseases
 - Enhance epidemiologic knowledge
 - Evaluate interventions

Why Investigate?

- It's the law



Legal Framework

- **Determined by states**
- **Some standardization desirable**
- **Council of State and Territorial Epidemiologists**
 - **Since 1951**
- **Collaborative process**

Kansas Public Health Regulations and Statutes

Statutes and Regulations

- **KSA – Statutes or laws passed by the legislature**
- **KAR – Regulations adopted by the agency**

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The state
belongs to
all of us –
Kansans.
Don't Spoil
It.

Kansas Laws Authorizing Regulations

- **K.S.A. 65-101**
- **K.S.A. 65-118**
- **K.S.A. 65-128**
- **K.A.R. 28-1-1 through 28-1-18**

Health Supervision

- **KSA 65-101**
 - **Secretary of health and environment shall exercise general supervision of the health of the people of the state**
 - **Require reports of infectious diseases**
 - **Investigate the causes of diseases including outbreaks**
 - **Take action to prevent the introduction of infectious diseases into and within the state**
 - **Provide education and other activities**
 - **Adopt rules and regulations necessary to carry out these laws (KARs)**

Who Reports?

KSA 65-118



**Immunity for reporting
Confidential**

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KSA 65-128

- **Secretary of KDHE**
 - Regulations for the isolation and quarantine of persons that have or have been exposed to infectious diseases **to prevent the spread of these diseases**
(KAR 28-1-5, 28-1-6, 28-1-7, 28-1-12)

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Local Health Officer

- **K.S.A. 65-201 – Each local health department shall appoint a health officer**
- **K.S.A. 65-202 - Local health officer shall use all known measures to prevent the spread of any such infectious, contagious or communicable disease, and shall perform such other duties as this act, his or her county or joint board, or the secretary of health and environment may require**

Duties of the Local Health Officer

- **K.S.A. 65-119**
 - **Maintain supervision over cases**
 - **Ensure cases are properly cared for**
 - **Enforce isolation and quarantine**
 - **Communicate to the secretary of KDHE**
 - **Power to prohibit public gatherings if necessary to control spread of disease**
 - **Confidential**

Evaluation, Treatment, Isolation, and Quarantine

- **K.S.A. 65-129b – Authority of local health officer or Secretary of KDHE**
 - Issue an order requiring an exposed individual to be evaluated and treated
 - Order an individual or group to be placed and to remain in isolation or quarantine until deemed no longer a risk
 - If individual refuses vaccination, medical examination, treatment, or testing may require isolation or quarantine
 - Law enforcement officer may assist

Isolation and Quarantine

- **K.A.R. 28-1-5**
 - **General provisions for isolation and quarantine**
 - **Who enforces?**
 - **Local Health Officer**
 - **Secretary of KDHE**
 - **Why do we have them?**
 - **To stop transmission from the source (the case)**
 - **To exclude susceptible exposed individuals so that transmission does not continue in the health care settings, schools, daycares, and food establishments**

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Rationale for Revisions: Reportable Conditions

- **Last revised: 2006**
- **Changes in terminology**
- **Structural problems**
 - **K.A.R. 28-1-2 limited to infectious diseases**
 - **Need separate lists of “infectious diseases” from reportable conditions**
- **Inadequate information reported**
- **Need for more rapid reporting and updated methods (ELR)**

Rationale: Isolation and Quarantine

- **Last revised: 2007**
- **Need to incorporate current recommendations**
- **Problems with current regulations**
 - **24-hour vaccination requirement after disease report**
 - **Susceptible health care workers not excluded from work after VPD exposure**
 - **Outdated terminology**

New Definitions

- **Outdated Terminology**
 - Respiratory Isolation
 - Enteric Precautions
 - Blood Precautions
- **New Terminology Defined**
 - Airborne Precautions
 - Contact Precautions
 - Droplet Precautions

Discussion of Proposed Changes

Reportable Conditions List

- **Time frames for reports**
 - **Urgent conditions: Within four hours by telephone**
 - **All others: 24 hours**
 - **Grace period for weekends and holidays**
- **No longer limited to infectious diseases**
 - **Blood lead results**
 - **CO poisoning**
- **More comprehensive patient information**
 - **Name, contact information, demographics, clinical history**

Reportable Conditions List

- **Removing amebiasis**
- **Adding**
 - **Novel influenza A**
 - **Vaccinia**
 - **Babesiosis**
 - **Carbapenem-resistant *Enterobacteriaceae***
 - **Coccidioidomycosis**
 - **Dengue**
 - **HIV viral loads of any value**
 - **Vancomycin-intermediate *S. aureus***
 - **Vancomycin-resistant *S. aureus***
 - **Vibriosis (non-cholera *Vibrio* spp.)**

Four Hour Reportable Diseases

Current List

- **Anthrax**
- **Botulism**
- **Cholera**
- **Measles**
- **Meningitis, bacterial**
- **Meningococcal disease**
- **Mumps**
- **Pertussis**
- **Plague**
- **Poliomyelitis**
- **Q Fever**
- **Rabies, human and animal**
- **Rubella**
- **SARS**
- **Smallpox**
- **Active TB**
- **Viral hemorrhagic fever**
- **Any outbreak, exotic, or newly recognized disease**

Four Hour Reportable Diseases Proposed List

- Anthrax
- Botulism
- Cholera
- **Diphtheria**
- Measles
- ~~Meningitis, bacterial~~
- Meningococcal disease
- ~~Mumps~~
- **Novel Influenza A virus**
- ~~Pertussis~~
- Plague
- Poliomyelitis
- Q Fever
- Rabies, human and animal
- Rubella
- SARS
- Smallpox
- **Tetanus**
- Active TB
- **Vaccinia, post vaccination**
- Viral hemorrhagic fever
- Any outbreak, exotic, or newly recognized disease

Laboratory Requirements

- Report via electronic laboratory report (ELR) unless waived by KDHE
- Specimen / isolate submission (within two days)
 - *Haemophilus influenzae* (pts. w/ invasive disease)
 - *Listeria spp.*
 - *Mycobacterium tuberculosis*
 - *Neisseria meningitidis*
 - *Salmonella spp.*
 - *Shiga-toxin E. coli*
 - *Shigella spp.*
 - *Streptococcus pneumoniae* (pts. < 5 yrs. age)
 - *Vibrio spp.*

Comments/Questions

Prevention and Control for Specific Diseases

- a.k.a. “isolation and quarantine”
- Scaled measures of prevention and control
- Consistent with epidemiology and current scientific recommendations
- Updated terms
 - Contact, droplet, and airborne precautions
- Will also designate conditions not subject to isolation or quarantine

Isolation and Quarantine

- **Altered by the local health officer or the secretary of KDHE**
 - **Necessary for public health**
- **Based on current medical knowledge**
 - **Incubation**
 - **Communicable period**
 - **Mode of Transmission**
 - **Susceptibility**

Vaccine Preventable Diseases – Changes in Isolation and Quarantine

Changes to Format

- **Each regulation**
 - **Control of Cases**
 - **Control of Contacts**

Susceptible Person

- **Person who is**
 - **Exposed to a person with an infectious or contagious disease**
 - **Exposed to a contaminated environment**
 - **Has no history of disease documented by a physician**
 - **No laboratory evidence of immunity**
 - **No documentation acceptable to the secretary**

Susceptible Person

- **Person who is**
 - **Exposed to a person with an infectious or contagious disease**
 - **Exposed to a contaminated environment**
 - **Has no history of disease documented by a physician**
 - **No laboratory evidence of immunity**
 - **No documentation acceptable to the secretary**

No Changes

Diphtheria

Current Regulation

- **Cases**
 - **Isolation 14 days**
- **OR**
- **Two consecutive negative cultures**
 - **24 hours apart**
 - **24 hours after antibiotic therapy**

Diphtheria

Current Regulation

- **Cases**

- Isolation 14 days

OR

- Two consecutive negative cultures
 - 24 hours apart
 - 24 hours after antibiotic therapy

Diphtheria

Current Regulation

- **Cases**

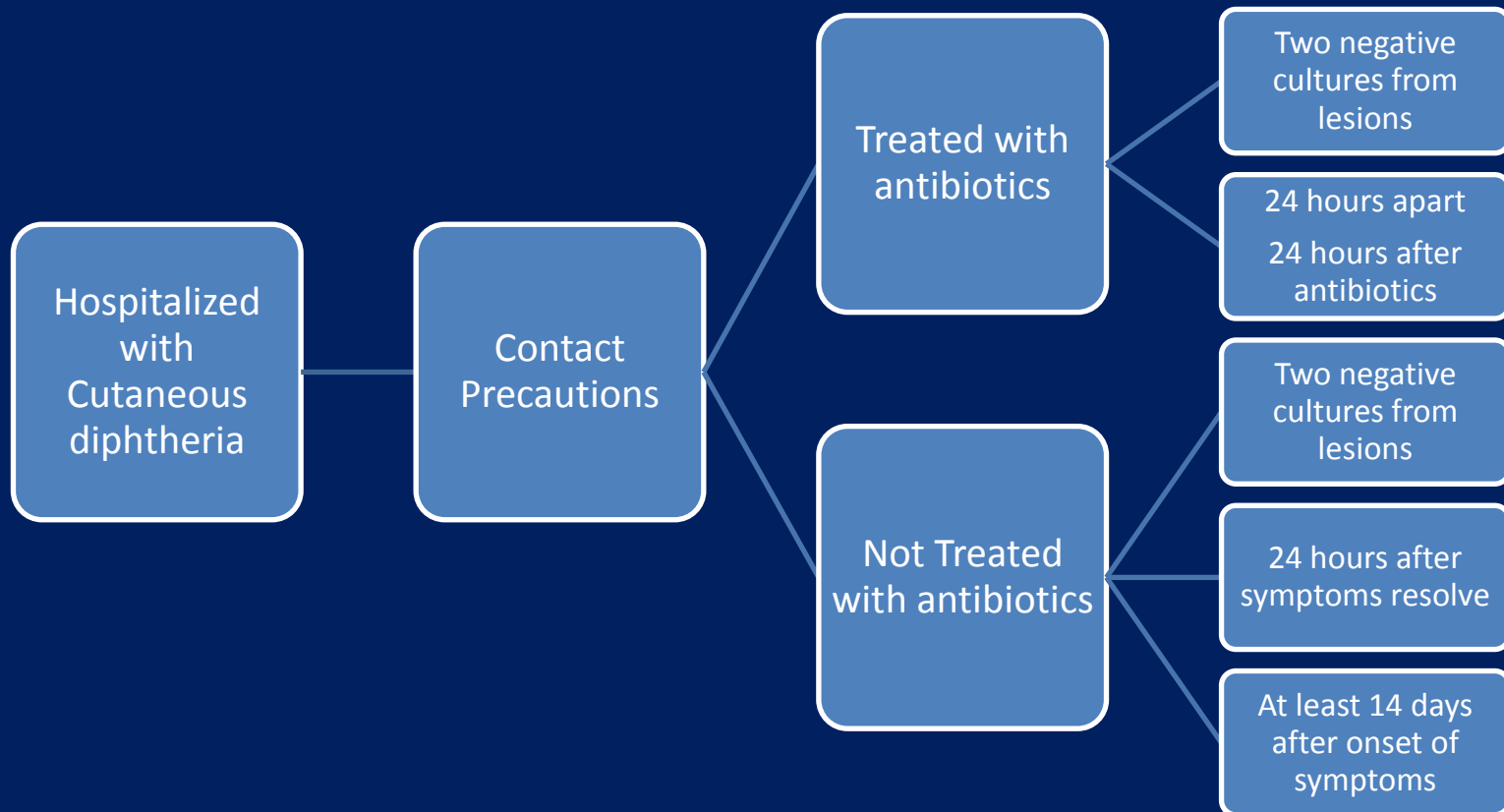
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OR

- **Two consecutive negative cultures**
 - 24 hours apart
 - 24 hours after antibiotic therapy

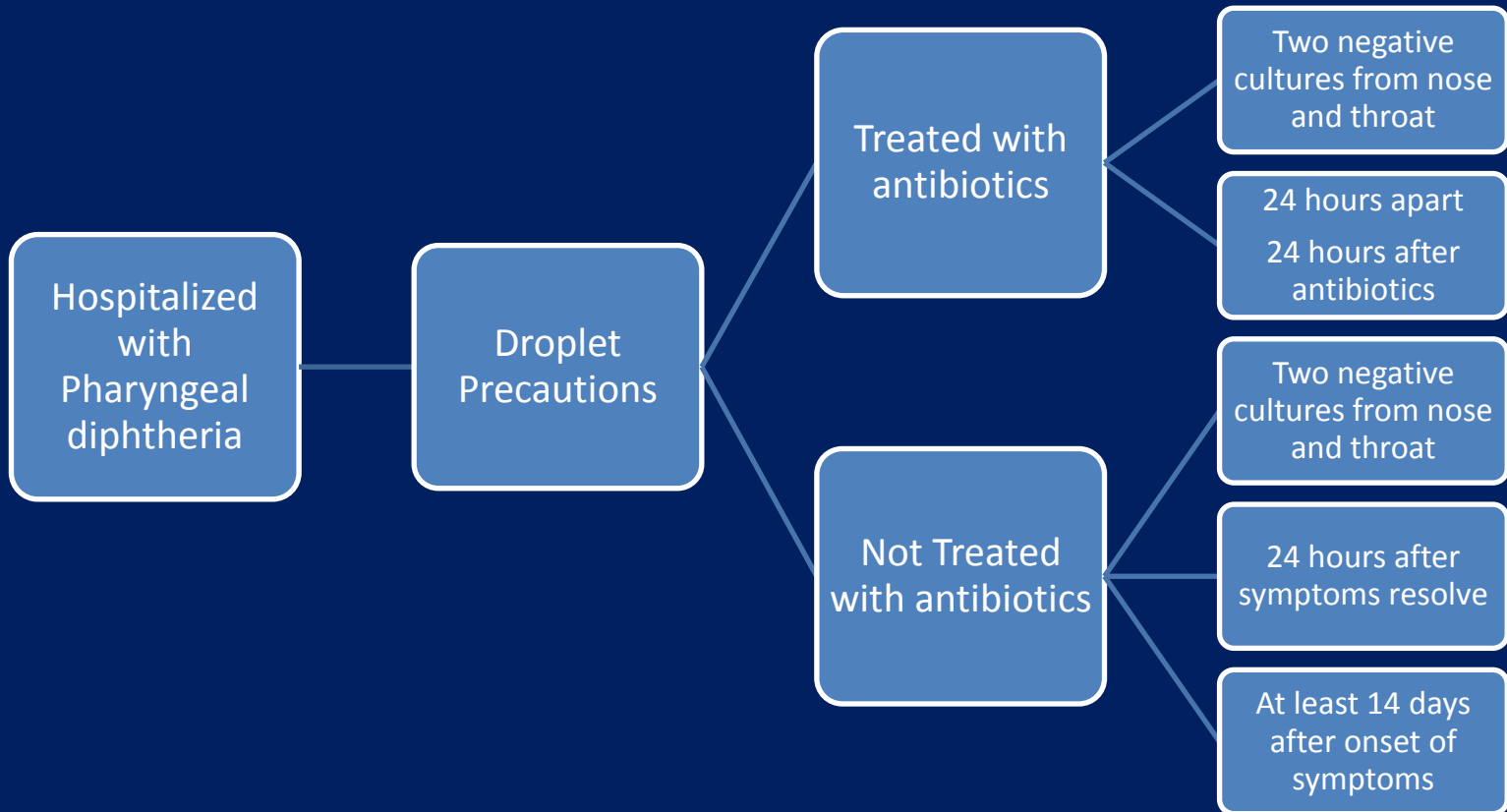
Diphtheria

Proposed Regulation



Diphtheria

Proposed Regulation



Diphtheria

Current Regulation

- **Household and Close Contacts**
 - Nose and throat cultures tested
 - Monitored for symptoms for seven days from last exposure
- **Carriers with diphtheria shall be treated**
- **Food handlers or contacts that work with children**
 - Excluded until nose and throat cultures are negative

Diphtheria

Current Regulation

- **Household and Close Contacts**
 - **Nose and throat cultures tested**
 - **Monitored for symptoms for 10 days from last exposure**
- **Carriers with diphtheria shall be treated**
- **Food handlers or contacts that work with children**
 - **Excluded until nose and throat cultures are negative**

Diphtheria

Current Regulation

- Household and Close Contacts
 - Nose and throat cultures tested
 - Monitored for symptoms for seven days from last exposure
- ~~Carriers with diphtheria shall be treated~~
- Food handlers or contacts that work with children
 - Excluded until nose and throat cultures are negative

Diphtheria

Current Regulation

- **Household and Close Contacts**
 - Nose and throat cultures tested
 - Monitored for symptoms for seven days from last exposure
- **Carriers with diphtheria shall be treated**
- **Food handlers or contacts that work with children**
 - Excluded until nose and throat cultures are negative

Diphtheria

Proposed Regulation

- **For Contacts of pharyngeal diphtheria**
 - **Only those in specific roles**
 - **Food handlers**
 - **Employees in adult care home, correctional facilities, health care facilities, schools, child care facilities**
 - **Attendees of schools and child care facilities**
 - **Exclusion for 7 days**
 - **From last exposure**
 - **OR**
 - **Until treated with antibiotic**
- **Negative nose and throat cultures**

Haemophilus influenzae, invasive disease

Current Regulation

- **Cases with meningitis**
 - **Respiratory isolation for 24 hours after initiation of antibiotics**

Haemophilus influenzae, invasive disease

Current Regulation

- Cases with **meningitis**
 - Respiratory isolation for 24 hours after initiation of antibiotics

Haemophilus influenzae, invasive disease

Current Regulation

- Cases with meningitis
 - ~~Respiratory isolation~~ for 24 hours after initiation of antibiotics

Haemophilus influenzae, invasive disease

Proposed Regulation

- **All hospitalized invasive cases**
 - **Droplet precautions for 24 hours after initiation of antibiotics**

No regulations for contacts

Hepatitis A

Current Regulations

- **Cases**
 - **Excluded from food handling, patient care, and any occupation involving the care of young children and the elderly**
 - **For 14 days after onset of illness**

Hepatitis A

Current Regulations

- **Cases**
 - Excluded from food handling, patient care, and any occupation involving the care of young children and the elderly
 - For 14 days after onset of illness

Hepatitis A

Current Regulations

- **Cases**
 - Excluded from food handling, patient care, and any occupation involving the care of young children and the elderly
 - For 14 days after onset of illness

Hepatitis A

Proposed Regulation

- **Cases**
 - **Hospitalized cases – contact precautions for duration of acute illness**
 - **Excluded from food handling, patient care, and attending or working in a child care facility**
 - **For 14 days after onset of illness**
- OR**
- **Seven days following onset of jaundice**

Hepatitis A

Current Regulation

- **Contacts**

No current regulations for contacts

Hepatitis A

Proposed Regulation

- **Contacts**
 - **Exclusion from**
 - **Foodhandling**
 - **Attending or caring for children in a childcare facility**
 - **28 days from last exposure unless...**
 - **Immune globulin (IG) or vaccine within 14 days of exposure to an infectious case**

Influenza Cases

- **No Current Regulation**
- **Proposed Regulation**
 - Hospitalized patients
 - Droplet precautions for five days
 - Immunocompromised for duration of illness

No regulations for contacts

Measles

Current Regulation

- **Cases**
- **Respiratory isolation for four days after rash onset**

Measles

Current Regulation

- **Cases**
- Respiratory isolation for four days after rash onset

Measles

Current Regulation

- Cases
- ~~Respiratory isolation~~ for four days after rash onset

Measles

Proposed Regulation

- **Hospitalized Patients**
 - Airborne precautions for four days after onset of rash
- **Non-hospitalized Patients**
 - **In home isolation** for four days after onset of rash
 - Except to seek medical care

Measles

Current Regulation

- **Susceptible contacts**
 - School, Child care facility, or family day care home
 - Vaccinated within 24 hours report to secretary
- OR**
- **Excluded for 21 days after the last reported illness in the facility**

Measles

Current Regulation

- **Susceptible contacts**
 - **School, Child care facility, or family day care home**
 - **Vaccinated within 24 hours report to secretary**
- **OR**
- **Excluded for 21 days after the last reported illness in the facility**

Measles

Current Regulation

- **Susceptible contacts**

- School, Child care facility, or family day care home
- ~~Vaccinated within 24 hours report to secretary~~

OR

- Excluded for 21 days after the last reported illness in the facility

Measles

Current Regulation

- **Susceptible contacts**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- Excluded for 21 days after the **last reported illness** in the facility

Measles

Proposed Regulation

- **Susceptible Contacts**
 - **Working in an adult care home, correctional facility, or health care facility**
 - **Attending or working in a school, child care facility, or adult day care**
 - **Excluded for 21 days from last exposure to an infectious case**
UNLESS
 - **Age-appropriately vaccinated within 72 hours of exposure to an infectious case**

Meningococcal Disease

Current Regulation

- **Cases**
 - **Respiratory isolation for 24 hours after initiation of antibiotic therapy**

Meningococcal Disease

Current Regulation

- Cases
 - ~~Respiratory isolation~~ for 24 hours after initiation of antibiotic therapy

Meningococcal Disease Proposed Regulation

- **Hospitalized Patients**
 - **Droplet precautions until 24 hours after initiation of antibiotic therapy**

No regulations for contacts

Mumps

Current Regulations

- **Case**
 - **Respiratory isolation for five days from the onset of illness**

Mumps

Current Regulations

- **Case**
 - **Respiratory isolation for five days from the onset of illness**

Mumps

Current Regulations

- Case
 - ~~Respiratory isolation~~ for five days from the onset of illness

Mumps

Proposed Regulation

- **Hospitalized patients**
 - Droplet precautions for five days after onset of illness
- **Non-Hospitalized patients**
 - **In home isolation** for five days following the onset of illness
 - Except when seeking medical care

Mumps

Current Regulation

- **Susceptible contacts**
 - School, child care facility, or family day care home
 - Vaccinated within 24 hours report to secretary
- OR**
- **Excluded for 26 days after the last reported illness in the facility**

Mumps

Current Regulation

- **Susceptible contacts**

- **School, Child care facility, or family day care home**
- **Vaccinated within 24 hours report to secretary**

OR

- **Excluded for 26 days after the last reported illness in the facility**

Mumps

Current Regulation

- **Susceptible contacts**

- School, Child care facility, or family day care home
- ~~Vaccinated within 24 hours report to secretary~~

OR

- Excluded for 26 days after the last reported illness in the facility

Mumps

Current Regulation

- **Susceptible contacts**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- Excluded for 26 days after the **last reported illness** in the facility

Mumps

Proposed Regulation

- **Susceptible Contacts**
 - Working in an adult care home, correctional facility, or health care facility
 - Attending or working in a school, child care facility, or adult day care
 - Excluded for 26 days from last exposure to an infectious case

Pertussis

Current Regulation

- **Cases**
 - **Respiratory isolation for 3 weeks**
 - OR**
 - **Five days if treated with antibiotics**

Pertussis

Current Regulation

- Cases
 - ~~Respiratory isolation~~ for 3 weeks
 - OR
 - Five days if treated with antibiotics

Pertussis

Current Regulation

- **Cases**

- **Respiratory isolation for 3 weeks**

OR

- **Five days if treated with antibiotics**

Pertussis

Proposed Regulation

- **Cases**

- **Hospitalized patients**
 - **Droplet precautions**
- **Non-hospitalized patients**
 - **Remain in home isolation**
- **Five days from antibiotic therapy**

OR

- **21 days if untreated from onset of paroxysmal cough, post-tussive vomiting, or inspiratory whoop**

Pertussis

Current Regulation

- **Susceptible contact**
 - **School, Child care facility, or family day care home**
 - **Vaccinated within 24 hours report to secretary**
- OR**
- **Complete a five-day course of antibiotic therapy**
 - **If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility**

Pertussis

Current Regulation

- **Susceptible contact**
 - **School, Child care facility, or family day care home**
 - **Vaccinated within 24 hours report to secretary**
- **OR**
- **Complete a five-day course of antibiotic therapy**
- **If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility**

Pertussis

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- ~~Vaccinated within 24 hours report to secretary~~

OR

- Complete a five-day course of antibiotic therapy
- If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility

Pertussis

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- **Complete a five-day course of antibiotic therapy**
- **If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility**

Pertussis

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- Complete a five-day course of antibiotic therapy
- ~~If not vaccinated within 24 hours~~ be excluded for 21 days after the last reported illness in the facility

Pertussis

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- Complete a five-day course of antibiotic therapy
- If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility

Pertussis

Proposed Regulation

- **Susceptible Contacts**
 - Working in an adult care home, correctional facility, or health care facility
 - Attending or working in a school, child care facility, or adult day care
- **Exclusion**
 - Until completion of appropriate antibiotic chemoprophylaxis
OR
 - 21 days after exposure to an infectious case

Poliomyelitis

- **Cases**
 - **Isolation for 10 days from onset of illness**
 - **Enteric precaution for six weeks**

Poliomyelitis

Current Regulations

- **Cases**
 - ~~Isolation~~ for 10 days from onset of illness
 - Enteric precaution for six weeks

Poliomyelitis

Current Regulations

- **Cases**
 - **Isolation for 10 days from onset of illness**
 - **Enteric precaution for six weeks**

Poliomyelitis

Current Regulations

- **Cases**
 - Isolation for 10 days from onset of illness
 - ~~Enteric precaution for six weeks~~

Poliomyelitis

Proposed Regulation

- **Hospitalized patients**
 - **Contact precautions for duration of illness**

No regulations for Non-hospitalized cases or contacts

Rubella

Current Regulations

- **Cases**
 - **Respiratory isolation for seven days after onset of rash**

Rubella

Current Regulations

- **Cases**
 - **Respiratory isolation for seven days after onset of rash**

Rubella

Current Regulations

- Cases
 - ~~Respiratory isolation~~ for seven days after onset of rash

Rubella

Proposed Regulation

- **Hospitalized Patients**
 - Droplet precautions for seven days after onset of rash
- **Non-hospitalized Patients**
 - **In home isolation** for seven days after onset of rash

Rubella

Current Regulation

- **Susceptible contacts**
 - School, child care facility, or family day care home
 - Vaccinated within 24 hours report to secretary
- OR**
- **Excluded for 21 days after the last reported illness in the facility**

Rubella

Current Regulation

- **Susceptible contacts**
 - **School, Child care facility, or family day care home**
 - **Vaccinated within 24 hours report to secretary**
- OR**
- **Excluded for 21 days after the last reported illness in the facility**

Rubella

Current Regulation

- **Susceptible contacts**
 - School, Child care facility, or family day care home
 - ~~Vaccinated within 24 hours report to secretary~~
- OR**
- **Excluded for 21 days after the last reported illness in the facility**

Rubella

Current Regulation

- **Susceptible contacts**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- Excluded for 21 days after the last reported illness in the facility

Rubella

Proposed Regulation

- **Susceptible Contacts**
 - Working in an adult care home, correctional facility, or health care facility
 - Attending or working in a school, child care facility, or adult day care
 - Excluded for 21 from last exposure to an infectious case

Varicella

Current Regulation

- **Cases**
 - **Isolation for six days after first crop of vesicles or until lesions have crusted, whichever comes first**

Varicella

Current Regulation

- **Cases**

- **Isolation for six days after first crop of vesicles or until lesions have crusted, whichever comes first**

Varicella

Current Regulation

- Cases
 - ~~Isolation~~ for six days after first crop of vesicles or until lesions have crusted, whichever comes first

Varicella

Proposed Regulation

- **Hospitalized patients**
 - Airborne precautions until vesicles are dry and crusted or for six days following onset of rash
- **Non-hospitalized patients**
 - Remain **in home isolation** until vesicles are dry and crusted or for six days following onset of rash

Varicella

Current Regulation

- **Susceptible contacts**
 - School, child care facility, or family day care home
 - Vaccinated within 24 hours report to secretary
- OR**
- If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility

Varicella

Current Regulation

- **Susceptible contact**
 - **School, Child care facility, or family day care home**
 - **Vaccinated within 24 hours report to secretary**
- OR**
- **If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility**

Varicella

Current Regulation

- **Susceptible contact**
 - School, Child care facility, or family day care home
 - ~~Vaccinated within 24 hours report to secretary~~
- OR**
- If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility

Varicella

Current Regulation

- **Susceptible contact**
 - School, Child care facility, or family day care home
 - Vaccinated within 24 hours report to secretary
- OR**
- **If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility**

Varicella

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR

- **If not vaccinated within 24 hours be excluded for 21**
~~**days after the last reported illness in the facility**~~

Varicella

Current Regulation

- **Susceptible contact**

- School, Child care facility, or family day care home
- Vaccinated within 24 hours report to secretary

OR


- If not vaccinated within 24 hours be excluded for 21 days after the last reported illness in the facility

Varicella

Proposed Regulation

- **Susceptible Contacts**
 - **Working in an adult care home, correctional facility, or health care facility**
 - **Attending or working in a school, child care facility, or adult day care**
 - **Excluded for 21 days from last exposure to an infectious case**
UNLESS
 - **Age-appropriately vaccinated within 72 hours of exposure to an infectious case**

Timeline for New Regulations

- **Final internal Review** 
- **Disseminate for informal public comment**
- **Final draft**
 - Department of Administration
 - Attorney General's Office
 - Secretary of State
 - Published in the Kansas Register
- **Sixty day public comment period**
- **Public hearing**
- **Incorporate any changes**
- **Regulations are finalized**

Resources

For current reportable disease list

http://www.kdheks.gov/epi/disease_reporting.html

For current regulation and statutes

<http://www.kdheks.gov/epi/regulations.htm>

Comments/Questions

Please send your comments to

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Questions

